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E72-10155
CR-128291

INVESTIGATION OF PROTOTYPE VOLCANO SURVEILLANCE NETWORK

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1 September 1972

Type I Progress Report for Period 1 July 1972 to 31 August 1972

Prepared for:

Goddard Space Flight Center
Greenbelt, Maryland 20771

Publication authorized by the Director, U.S. Geological Survey

(E72-10155) INVESTIGATION OF PROTOTYPE
VOLCANO SURVEILLANCE NETWORK Progress
Report, 1 Jul. - 31 Aug. 1972 J.P. Eaton,
et al (National Center for Earthquake
Research) 1 Sep. 1972 2 p

N72-33313

Unclas
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CSCI 08G G3/13

Type I Progress Report

ERTS-A

- a. Title: Investigation of prototype volcano surveillance network
ERTS-A Proposal No.: 145
- b. GSFC ID No. of P.I.: IN 384
- c. Problems: The principle problem is that the funding was received very late and that significant compromises in equipment design and deployment methods had to be made in order to get the equipment installed before the snow falls. The slow delivery of the DCPs is also impeding progress.
- d. Accomplishments: All major items of equipment were ordered. The first multilevel event counters were delivered by Electra-Physics, Inc. Permissions were obtained for all sites in the Cascades from the Park Service and Forest Service. A tiltmeter and telemetering seismometer were installed on Mt. Lassen and the site prepared for the event counter. One DCP successfully transmitted a fixed set of data from Menlo Park since launch of ERTS-A.

Installation of event counters at seven sites in the Cascades and Alaska is planned for September.
- e. Scientific results: None yet.
- f. Papers or reports: None yet.
- g. Recommendations: Next time please fund programs requiring significant field work early enough so that reliable equipment can be developed and the DCPs can be installed before or soon after launch. We will probably not complete installation until 6 months after launch.
- h. Changes in Standing order forms: None.
- i. ERTS Image description forms: None
- j. Changes in Data Request forms: None
- k. Status of DCPs: Platform 6365 installed at Mt. Lassen on August 29 and struck by lightning on September 1. Inoperative at present.

Platform 6162 transmitting fixed data set as test from our office in Menlo Park.